| INITIALS | IP NO. | DATE     |  |  |  |  |  |
|----------|--------|----------|--|--|--|--|--|
| 1947     |        | 07-09-01 |  |  |  |  |  |
|          | 8      | 7-1701   |  |  |  |  |  |
| CC       | 54114  | 18-21-01 |  |  |  |  |  |
|          |        |          |  |  |  |  |  |
|          |        | 144)     |  |  |  |  |  |

## **INDEX OF CLAIMS**

| J | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | 1 | Interference |
|   | (Through numeral) Canceled | Α | Appeal       |
|   |                            | 0 | Objected     |

|             |            |          |       |          |   |           |           | •        | •••          | •••••      | •••••        | ••••      |          | ••••     | F        |          |          | -        |              |            |           | •  |          |          |              |                 |          |               | Obje       |            |          |          |                  |          |          |          |          |               |
|-------------|------------|----------|-------|----------|---|-----------|-----------|----------|--------------|------------|--------------|-----------|----------|----------|----------|----------|----------|----------|--------------|------------|-----------|--|----------|----------|--------------|-----------------|----------|---------------|------------|------------|----------|----------|------------------|----------|----------|----------|----------|---------------|
| Claim Date  |            |          |       |          |   |           |           |          | 1            | Claim Date |              |           |          |          |          |          |          |          |              | Clai       | m         | Date   |          |          |              |                 |          |               |            |            |          |          |                  |          |          |          |          |               |
| Final       | -E         | $\neg$   | 1/1/6 | 3/16/18  | · |           |           |          |              |            |              |           |          |          |          | Original |          |          |              |            |           |  |          |          |              |                 |          | Final         | Original   |            |          |          |                  |          |          |          |          |               |
| 屵           | ۲          | )        | 1     | 7        |   | t         | $\dagger$ |          | _            | ╁          | ╁╴           | †         | +        | 1        | F        | 51       |          |          |              |            |           |  |          |          |              |                 |          | _             | 101        |            |          |          |                  |          |          |          |          | $\sqsubseteq$ |
| $\vdash$    | 7          |          | ì     | 1        |   | T         |           |          |              |            |              | I         |          | ]        |          | 52       |          |          |              |            |           |  |          |          |              | 4               | <u> </u> | _             | 102        | <b>├</b> - |          | _        | _                | _        |          | $\dashv$ | $\dashv$ | -             |
|             | Ľ          | _        | Ц     | Ι        |   |           |           |          | _            | L          | L            | ╽         | 1        | 1        | $\perp$  | 53       |          |          |              |            | _         |  |          |          |              | 4               | -        |               | 103<br>104 | ╀          | -        |          |                  | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\vdash$      |
|             |            | 4        | Ц     | 1        | _ | ╀         | 4         |          | _            | ↓_         | ╀            | +         | +        | -        | -        | 54<br>55 |          | L        |              | -          | _         | _  |          | _        | H            | $\dashv$        | -        |               | 105        | +-         |          |          | $\dashv$         | -        |          | _        | -        | $\vdash$      |
| ļ.          |            | _        | Н     | +        | L | +         | +         |          | _            | ╄-         | ╀            | +         | +        | -        |          | 56       |          | $\vdash$ | _            | ļ          |           | -  |          |          | Н            | $\dashv$        | ŀ        | $\rightarrow$ | 106        | ╁          |          |          | $\dashv$         | _        |          |          |          | Г             |
| P.          | 1 7        |          | Н     | +        | ┝ | +         | +         |          | -            | +          | ╁            | ╁         | +        | 1        | 1        | 57       |          | -        | $\vdash$     | -          | _         |  |          |          | Н            |                 | -        |               | 107        | T          |          |          |                  |          |          |          |          |               |
| <u>/</u>  - | +          |          | Н     | ╁        | Н | t         | +         |          | $\vdash$     | $\dagger$  | t            | +         | +        | 1        |          | 58       | _        | Г        |              |            |           | Г  |          |          |              |                 |          |               | 108        |            |          |          |                  |          |          |          |          | L             |
| $\vdash$    | _          | 9        | H     | T        | Г | t         | 7         |          | Г            |            | T            | 1         | T        | 1        |          | 59       |          |          |              |            |           |  |          |          |              |                 |          |               | 109        | ļ          |          |          |                  |          |          |          | _        | _             |
|             | 1          |          | П     | 1        |   | Ι         |           |          |              |            |              | I         |          | ]        |          | 60       |          |          |              | _          | _         | L  |          | L        | _            | Щ               | -        |               | 110        | 1          | <u> </u> |          |                  |          |          |          | Н        | $\vdash$      |
|             | 1          |          | Ц     | 1        |   | Ţ         | 1         |          | L            | _          | L            | 4.        |          | 1        | $\perp$  | 61       |          | _        | Ļ            | _          | ļ         | _  | _        |          |              | Н               | -        | _             | 111<br>112 | +          | ┼        |          |                  |          |          | _        | -        | ⊢             |
|             | 12         | _        | Ц     | 4        | L | 1         | 4         |          | L            | $\perp$    | 1            | 4         | _        | 4        | $\vdash$ | 62<br>63 | <u> </u> | ┡-       | _            | <u> </u>   | H         | -  | <u> </u> | _        |              | Н               | -        |               | 113        | +-         | $\vdash$ |          |                  |          |          |          | H        | $\vdash$      |
| -           | 1          | _        | Н     | 4        | ┞ | +         | 4         |          | -            | +          | +            | +         | +        | 4        | -        | 64       | -        | ┝        |              | -          | ⊢         | -  |          | -        | ⊨            | Н               | ŀ        | -             | 114        | +          | -        |          |                  | _        |          | _        | $\vdash$ | H             |
| $\vdash$    | 1:         | _        | Н     | +        | ⊦ | +         | +         |          | -            | ╁          | +            | ╫         | +        |          | -        | 65       | -        | ┢        |              | $\vdash$   | ┢         | H  | -        | H        | <del> </del> | Н               | f        |               | 115        | +          | $t^-$    |          |                  |          |          |          | _        | T             |
| $\vdash$    | 10         |          | Н     | +        | ┝ | +         | $\dashv$  |          |              | +          | ╁            | $\dagger$ | +        | -        |          | 66       |          | +-       |              | -          |           | $\vdash$   | 一        | -        | $\vdash$     |                 | ı        |               | 116        | +          |          |          | Г                |          |          |          |          | Γ             |
| $\vdash$    | 1          |          | Н     | +        | ┢ | $^{+}$    | +         |          | H            | t          | ╁            | +         | ╅        | 1        |          | 67       | Т        |          | Τ            | t          |           | Г  |          | Г        |              | П               | Į        |               | 117        |            |          |          |                  |          |          |          |          |               |
| F           | (1         |          | H     | 7        | T | †         | 7         | _        | Г            | T          | T            | Ť         |          | 1        |          | 68       |          |          |              | Π          |           |  |          |          |              |                 |          | _             | 118        |            |          |          | L.               |          |          |          | L        | L             |
| Г           | 1          | 9        | П     | 1        |   |           |           |          |              |            |              | T         |          | ]        |          | 69       |          | L        | L            |            |           |  |          |          | L            | Ш               | -        | _             | 119        | 1          | ╙        | _        | _                |          |          | _        | L        | Ļ             |
| Г           | <b>(</b> 2 | 9        | Γ     | 1        | Γ | T         |           |          |              | Π          |              |           |          |          | L        | 70       | _        | L        |              |            |           | L  | _        |          | <u> </u>     | Ш               | L        |               | 120        | ↓.         |          | <u> </u> |                  |          | <u> </u> |          | 닏        | Ļ             |
|             | 2          | 1        | √     | <b>~</b> |   |           |           |          |              | Ι          |              | $\perp$   |          |          |          | 71       | L        | L        | L            | _          | L         | L  | ļ        | _        | L            | Ш               |          |               | 121        | 4-         | 1        | ļ        | _                | <u> </u> | -        | _        | ┝        | ╀             |
| T           | 2          |          |       |          |   | 1         | _         |          | L            | $\perp$    | 1            | 4         | _        |          | $\vdash$ | 72       | L        | <u> </u> | _            | L          | <u> </u>  | ┡  | ļ        | <u> </u> | ╀            | $\vdash$        | -        |               | 122<br>123 | ┼-         | ╁        | H        | -                |          | -        | -        | ┝        | ╀             |
| L           | 2          |          |       | _        | L | 4         | 4         | _        | ┞-           | +          | 4-           | 4         | +        |          | $\vdash$ | 73       | -        | ⊢        | -            | ┡          | ┝         | -  | $\vdash$ | ⊢        | ┼            | Н               | -        |               | 124        | ╫          | +-       |          | ┝                | -        |          | ┢        | ┝        | H             |
| $\vdash$    | -          | 4        |       | -        | + | +         | $\dashv$  |          | ╀            | +          | +            | +         | ┿        | $\dashv$ | $\vdash$ | 75       | ┝        | $\vdash$ | -            | ╁          | H         | ┝  | ┢        |          | +-           | H               | ŀ        |               | 125        | +          | ╁╌       | $\vdash$ |                  | -        |          |          | ┢        | t             |
| $\vdash$    | 2          | 5        |       | $\vdash$ | t | +         | $\dashv$  | _        | ╁            | ╁          | ╁            | $^{+}$    | +        | ┪        | $\vdash$ | 76       | $\vdash$ | ╁        |              | ╁          | H         | ┢  | $\vdash$ | H        | $\vdash$     | $\vdash \vdash$ | ŀ        |               | 126        | +          | T        |          |                  |          |          |          | T        | T             |
| $\vdash$    | 2          |          |       | ┢        | ╁ | $\dagger$ | ᅥ         |          | ╁            | +          | $^{+}$       | +         | +        | 1        |          | 77       | T        | t        |              | $\vdash$   | T         |  |          |          | Τ            | П               |          | _             | 127        | 1          |          |          |                  |          |          |          |          |               |
| F           | 2          |          |       | H        | t | †         | ٦         |          | T            | T          | $\dagger$    | 7         | 十        | 1        |          | 78       | Τ        | 1        |              |            |           |  |          |          |              |                 |          |               | 128        | I          |          |          | $\mathbb{L}_{-}$ |          |          | L        | L        | L             |
| Г           |            | 9        |       | Г        | T | 1         |           |          |              | T          |              | 1         |          |          |          | 79       |          |          |              | oxdapsilon | L         |  |          | L        | _            | Ш               | ļ        |               | 129        | 1          | <u> </u> | ┖        | <u> </u>         | <u> </u> |          | L        | ļ_       | $\downarrow$  |
|             |            | 30       |       |          | Γ | I         |           |          |              |            | Ţ            | $\perp$   |          |          |          | 80       |          | Ļ        | Ļ            | ┡          | <u>↓</u>  | ļ.   |          | <u> </u> | ╄            | Н               | -        |               | 130        | +          | ┿        | $\vdash$ | ├-               | ├        |          | L        | ┝        | ╀             |
| L           |            | 31       |       |          | L | 4         | _         |          | ╀            | ╀          | 4            | 4         |          | 4        | -        | 81       | _        | ╄        | ╄            | 1          | ╀         | ╀  | ↓_       | <u> </u> | -            | $\vdash$        | - }      |               | 131        | +          | ╁        | $\vdash$ |                  | ┝        | $\vdash$ | ├        | ₩        | ╀             |
| ┝           | 13         | 32<br>33 | _     | <u> </u> | ╀ | +         | _         | <u> </u> | ╀            | +-         | +            | +         | +        | 4        | $\vdash$ | 82       | -        | ┿        | +            | ┼          | ╁         | -  | ╁        | $\vdash$ | +            | ╁┈┤             | -        |               | 133        | ╁          | ╁        | ├        | $\vdash$         | $\vdash$ | $\vdash$ | ╁─       | t        | 十             |
| ⊢           |            | 34       |       | ┝        | ╁ | +         | -         | -        | ╁            | +          | +            | +         | +        | -        |          | 84       | 1_       | ╁╴       | +            | +-         | ╁         | ╁  | ╁╴       | ╁        | ╁            | $\vdash$        | ŀ        |               | 134        | +-         | +        | 1        | t                | Ħ        |          | ┢        | ✝        | t             |
| 7           |            | 35       | -     | ╁        | ╁ | ╅         |           | ┝        | ╁╴           | +          | +            | +         | +        | -        | $\vdash$ | 85       |          | t        | H            | ╁          | ╁╌        | <del>                                     </del> | $\vdash$ | T        | +            | П               | ı        |               | 135        | $\top$     | +        | T        | Г                |          | Г        |          | T        | T             |
| •           |            | 36       |       |          | t | +         |           | ┢        | †-           | +          | ╁            | 1         | +        | 1        | 1        | 86       |          | T        | T            | t          | T         |  | T        | T        | T            | П               |          |               | 136        |            |          |          |                  |          |          |          |          | Ι             |
|             | 3          | 37       | _     | T        | t | 1         |           |          | T            | T          | T            | 7         |          |          |          | 87       |          |          |              |            |           |  |          |          |              |                 | [        |               | 137        |            | $\perp$  |          | L.               | L        |          |          | $\perp$  | 1             |
|             | 3          | 38       |       |          | T | 1         |           |          |              | Τ          | I            |           |          |          |          | 88       | _        |          |              |            | L         |  |          | L        |              |                 | Į        |               | 138        |            | 1        |          |                  | _        | L        |          | L        | 1             |
|             |            | 39       |       |          | I |           |           | L        | L            | $\perp$    |              | _         | $\perp$  | 4        |          | 89       | -        | _        | -            | $\perp$    |           | L  |          |          | 1            |                 |          |               | 139        | -          | +-       | -        | -                | -        | -        |          | ╀        | +             |
| L           | 4          | 10       |       | L        | ⊥ | 1         | _         |          | $\perp$      | _          | $\downarrow$ | _         |          | 4        | $\perp$  | 90       | 1        | _        | L            | Ļ          | ┡         | ╄  | ╄        | ┢        | L            | Ш               |          | Н             | 140        | +          | +        | _        | ╀                | ┝        | ⊢        | ┝        | ╀        | ╀             |
|             |            | 41       |       | L        | ┸ | $\perp$   |           | L        | L            | $\perp$    | 1            | 4         | _        | 4        | $\vdash$ | 91       |          | 1        | ╀            | ╄          | L         | ╀  | -        | L        | ╀            | Н               |          | _             | 141        | ╀          | +        |          | -                | L        | ⊢        | ┡        | ╀        | ╀             |
| -           |            | 2        |       | Ļ        | 1 | 4         |           | L        | ╀            | 4          | 4            | $\dashv$  | _        | 4        | -        | 92       |          | ╄        | ╀            | ╁          | ┼-        | ╀  | ╁        | ╄        | ╀            | $\vdash$        |          | щ.            | 142        | +          | ╀        | ⊢        | ┼                | ├-       | ┝        | ⊢        | ╁        | +             |
| $\vdash$    |            | 13<br>44 | _     | $\vdash$ | + | 4         | _         | $\vdash$ | +            | +          | +            | +         | +        | $\dashv$ | -        | 93       |          | +-       | +            | +          | +         | +  | +-       | +        | +            | $\vdash$        |          | -             | 144        | +          | +        | $\vdash$ | +                | $\vdash$ | $\vdash$ | ✝        | +        | +             |
| -           |            | 44<br>45 | _     | $\vdash$ | + | +         | _         | $\vdash$ | +            | +          | +            | $\dashv$  | +        | $\dashv$ | $\vdash$ | 95       |          | +        | +            | +          | +-        | +  | +        | +        | +            | $\vdash$        |          | _             | 145        | +          | +        | H        | 1                |          |          | H        | +        | t             |
| }           |            | 46       | -     | +        | + | +         | -         | $\vdash$ | +            | +          | +            | $\dashv$  | $\dashv$ | $\dashv$ |          | 96       |          | +        | 1            | 1          | +         |  |          |          |              |                 |          |               | 146        |            | +        | T        | 1                |          |          |          |          | 1             |
| ļ           |            | 17       | _     | t        | + | 7         | -         | $\vdash$ | $^{\dagger}$ | $\dagger$  | $\dagger$    | 7         | +        | ┪        |          | 97       |          | t        | T            | 1          | $\dagger$ | T  | $\top$   | T        | T            | T               |          |               | 147        |            |          |          |                  | Γ        |          |          | Ι        | I             |
|             |            | 48       | _     | Ť        | t | 7         |           | Τ        | $^{\dagger}$ | +          | $\top$       | _         | _        | _        |          | 98       | 1        | İ        | I            | Ι          | I         |  |          | I        |              |                 |          |               | 148        | T          | I        |          | L                |          |          |          | oxday    | $\perp$       |
|             |            | 49       |       |          | I |           |           |          | I            | I          | Ţ            |           |          |          |          | 99       |          | L        | 厂            | $\bot$     | L         | 1  | 1        |          | $\perp$      | <u> </u>        |          | _             | 149        | $\bot$     | +        | $\vdash$ | _                | -        | $\vdash$ | $\vdash$ | +        | +             |
| L           |            | 50       | _     | L        | L | _         |           | 1_       |              | $\perp$    |              | $\perp$   |          |          | L        | 10       | q        | <u></u>  | <del>-</del> |            | 1_        | 上  | Т.       | <u></u>  |              |                 | ۱ ا      |               | 150        | _L         |          | <u>i</u> | L                |          | <u> </u> | _        | 上        |               |

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If more than 150 claims or 10 actions staple additional sheet here

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